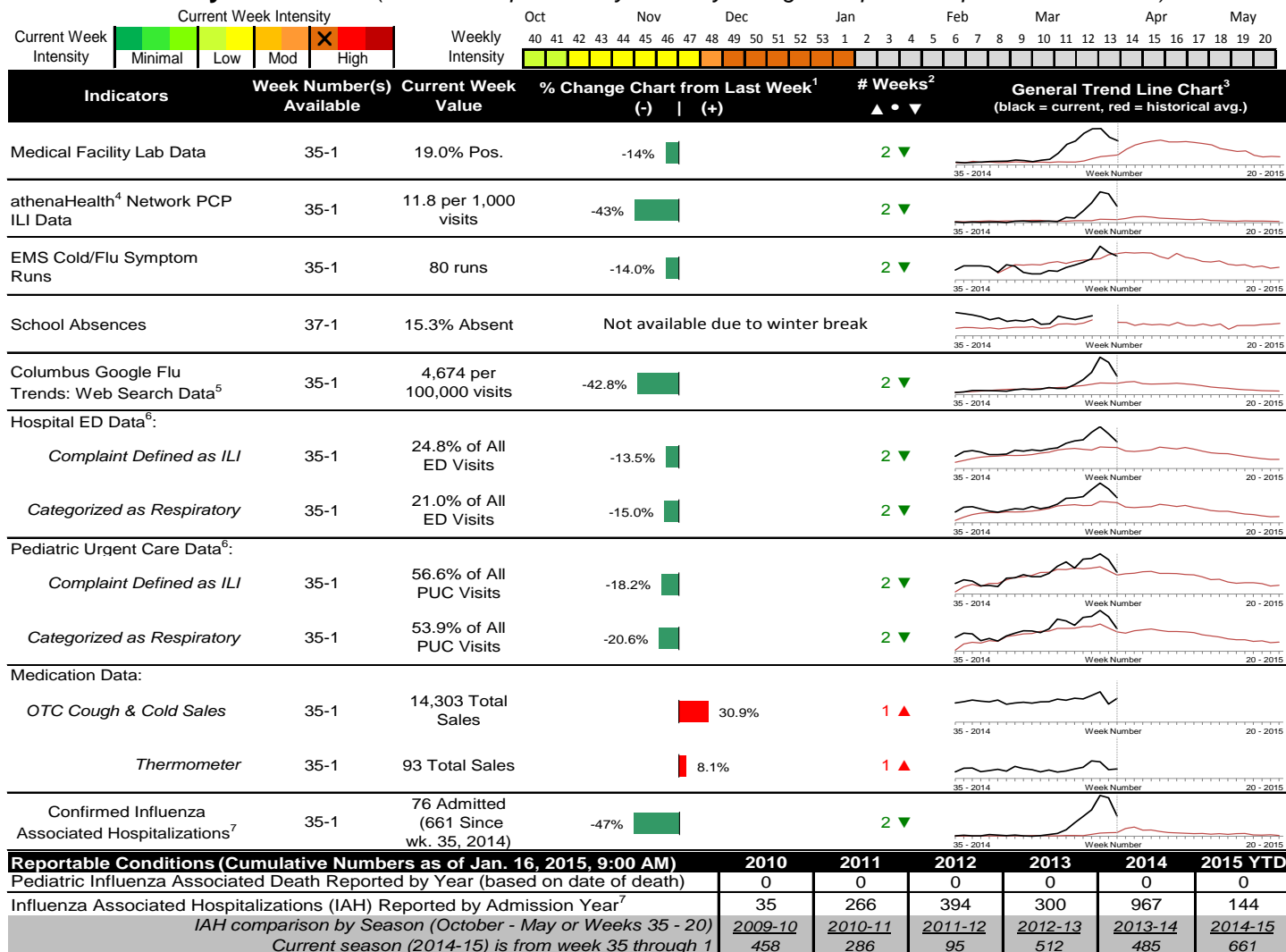


## 2014-2015 Columbus & Franklin County Seasonal Influenza Activity Weekly Summary (Week 1, Jan. 4<sup>th</sup>, 2015– Jan. 10<sup>th</sup>, 2015)

### Highlights

- In week 1 of 2015, the majority of local indicators of influenza activity decreased compared to week 53. Local influenza activity remains elevated (indicators are generally still above their baseline values), despite indicators trending downward towards their baseline values the past couple weeks.
- Geographic activity and local intensity designation (Click [here](#) for definitions) = WIDESPREAD, HIGH
- Local medical facility labs reported 2,294 tests run with 435 (19.0%) positive results for week 1 of 2015.
- The percentage of ED visits for both influenza-like-illness (ILI) and respiratory symptoms decreased in week 1 but are still higher than their respective weekly baseline averages.
- In week 1 of 2015, local over-the-counter medication sale trends increased (increase in cough and cold, electrolyte, thermometer, chest rub, pediatric anti-fever, adult anti-fever, and throat lozenge sales) compared to last week.
- Nationally, influenza activity remained elevated in week 1. Please [visit the CDC website for specific information](#) (National data is usually updated on Friday of each week).

### Local Flu Activity Dashboard (All data are preliminary and may change as updated reports are received.)



<sup>1</sup>Interpret with caution. Indicators with small numbers subject to large weekly percentage fluctuations.

<sup>2</sup>Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "•" = Stable (-2% to +2%).

<sup>3</sup>Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year).

<sup>4</sup>Data Source: athenaHealth, Inc. and their analytics and research team athenaResearch ([www.athenahealth.com](http://www.athenahealth.com)). Rate of ILI visits to Franklin County, OH, athenaHealth network's primary care practices/physicians using claims data.

<sup>5</sup>Data Source: Google Flu Trends ([www.google.org/flutrends](http://www.google.org/flutrends)), City = Columbus, OH. See website for additional details.

<sup>6</sup>Franklin County, OH residents only (based on zipcode).

<sup>7</sup>Confirmed cases only. Based on jurisdiction equal to Franklin County or City of Columbus and admission date available in ODRS.

### CDC 122-Cities Mortality Reporting System: Pneumonia and Influenza (P&I) Mortality

In week 1 of 2015, 9.3% of all Columbus deaths were attributed to pneumonia and influenza (Figure 1). Nationally, 8.5% of deaths reported were attributed to pneumonia and influenza in week 1. This national percentage is above the national epidemic threshold of 7.0% for week 1.

### Influenza Morbidity and Influenza-Like Illness (ILI) Reports

In week 1, the preliminary local influenza-like-illness (ILI) visit rate (11.8 per 1,000 visits) to athenaHealth providers was lower than the previous week but is still higher than the baseline average for the past several weeks (Figure 1). The week 1 percentage of Emergency Department (ED) visits for ILI symptoms decreased compared to the previous week (Figure 3) but is still higher than the historic baseline for the week. Pediatric urgent care visits for ILI symptoms also decreased compared to the previous week and is approaching the historic baseline.

Nationally, during week 1 of 2015, 4.4% of patient visits reported through the US Outpatient Influenza-like Illness Surveillance Network (ILINet), were due to influenza-like illness (ILI). The percentage is higher than the national baseline of 2.0%.

### Laboratory Surveillance

During week 1 of 2015, reporting Franklin County sentinel medical facility laboratories tested 2,294 specimens, with 435 (19.0%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2014 through week 1 of 2015 is 24,786 with 4,541 (18.3%) positives (4,268 type A, 249 type B, 21 both A and B, 3 type unknown).

Nationally in week 1 of 2015, WHO and NREVSS laboratories reported 26,204 specimens tested for influenza viruses, 5,284 (20.2%) of which were positive (visit the CDC website for more info). The last 3 weeks available national breakdown by type and subtype from the CDC is shown in Table 1 below:

**Table 1: U.S. Virologic Surveillance (WHO and NREVSS participating labs)**

Week	A Total	A (H1)	A 2009 H1N1	A (H3)	A (H3N2v)	A (unable to sub-type)	A (Subtyping not performed)	B Total	Total # Tested	% Positive
52	11643 (97%)	0 (0%)	13 (0.1%)	4101 (35.2%)	0 (0%)	0 (0%)	7529 (64.7%)	365 (3%)	38494	31.19
53	8602 (96.1%)	0 (0%)	8 (0.1%)	3427 (39.8%)	0 (0%)	0 (0%)	5167 (60.1%)	347 (3.9%)	35125	25.47
1	5051 (95.6%)	0 (0%)	7 (0.1%)	1868 (37%)	0 (0%)	0 (0%)	3176 (62.9%)	233 (4.4%)	26204	20.16

ODH lab reported results for Ohio cases that are PCR positive for seasonal influenza Positive results: (1) A/PdH1N1; (597) A/H3N2; (8) Influenza B (through 01/10/15).

### ED and Pediatric Urgent Care Respiratory Visits

In the 1<sup>st</sup> week of 2015, the percentage of all ED visits categorized as *respiratory* decreased compared to the percentage seen the previous week but is still higher than its historic baseline for the week (Figure 5). Pediatric urgent care visits for respiratory symptoms also decreased compared to the previous week, but is still higher than its historic baseline for the week.

### Over-the-Counter (OTC) Medication Sales and Antiviral Prescriptions

In week 1 of 2015, local over-the-counter medication sales increased (increase in cough and cold, electrolyte, thermometer, chest rub, pediatric anti-fever, adult anti-fever, and throat lozenge sales) compared to last week.

### Additional Influenza Activity Web Links:

Ohio Seasonal Flu Surveillance: <http://www.odh.ohio.gov/features/odhfeatures/seasflu/ohfluactivity.aspx>

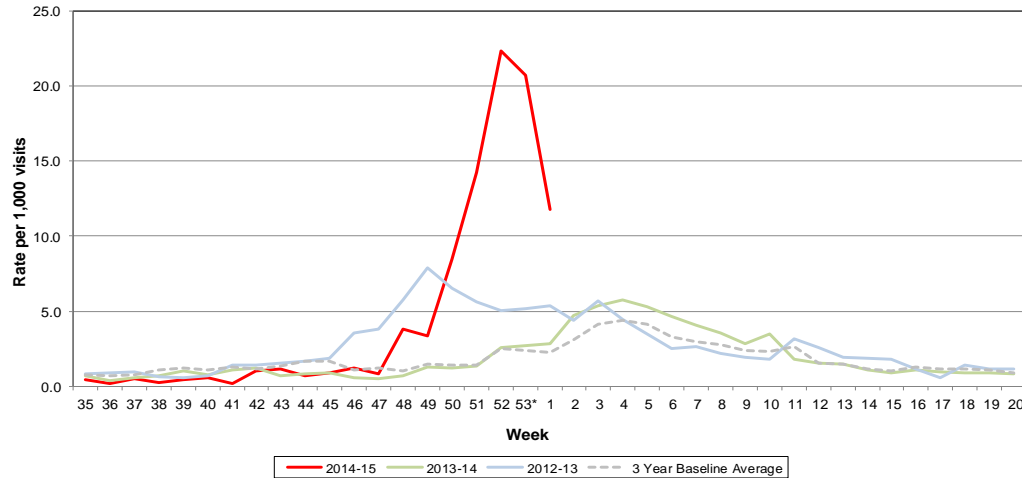
CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/>

CDC International Flu Activity Map: <http://www.cdc.gov/flu/international/activity.htm>

World Health Organization Situation Updates: [http://www.who.int/influenza/surveillance\\_monitoring/en/](http://www.who.int/influenza/surveillance_monitoring/en/)

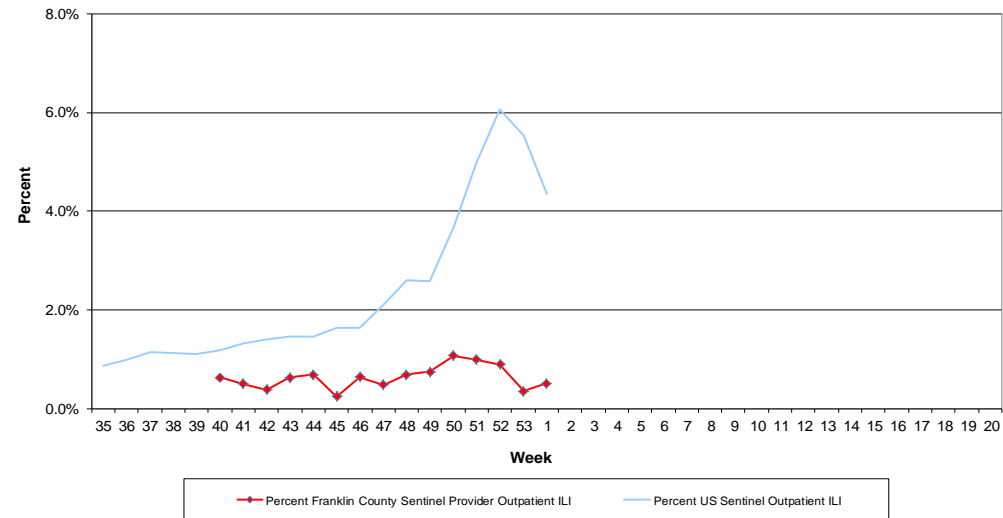
## Columbus & Franklin County Influenza Monitoring Summary – Week 1, 2015 (1/4/2015-1/10/2015)

**Figure 1: athenahealth Network Primary Care Physician Influenza-Like-Illness Visit Rate†, Franklin County, OH**

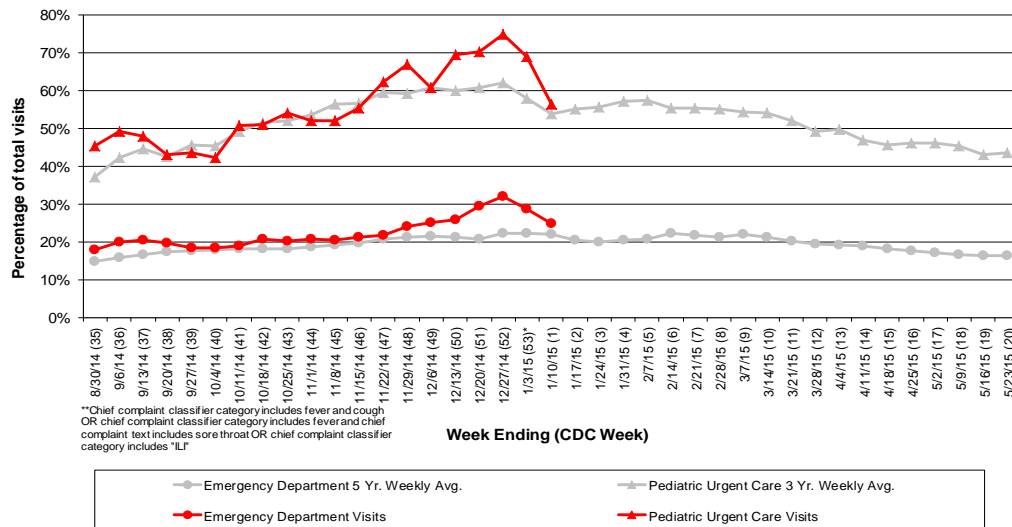


†Source: Claims data from athenahealth, Inc. and their analytics and research team, athenaResearch ([www.athenahealth.com/blog/category/analytics-research](http://www.athenahealth.com/blog/category/analytics-research))  
 Note: athenaHealth claims data are subject to filing and processing time lags. Historical data are updated when they are received.

**Figure 2: Percentage of Local and National ILI Outpatient CDC Sentinel Health Care Provider Site visits, 2014-15**

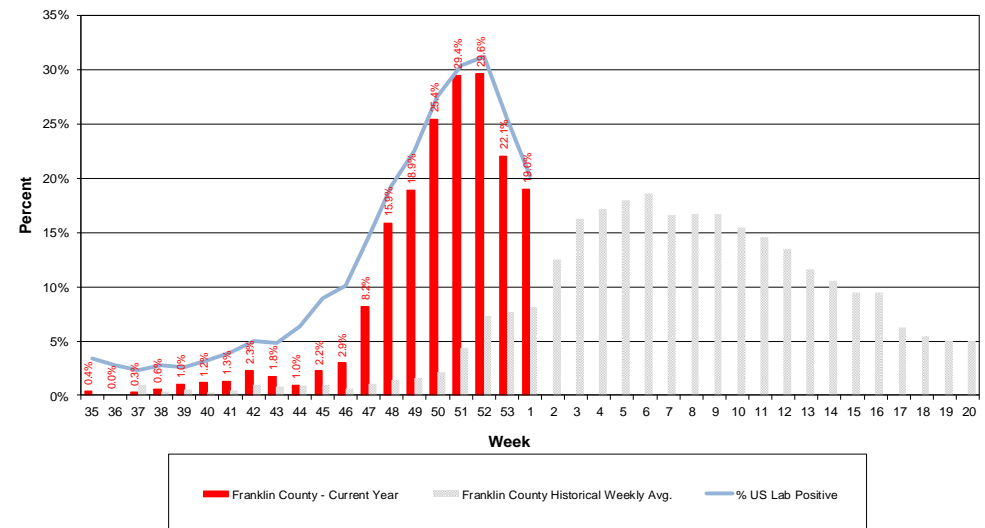


**Figure 3: Franklin County Resident ILI Defined\*\* ED and Pediatric Urgent Care Visits, 2014-15, Franklin County, OH**



\*\*Chief complaint classifier category includes fever and cough OR chief complaint classifier category includes fever and chief complaint text includes sore throat OR chief complaint classifier category includes "ILI"

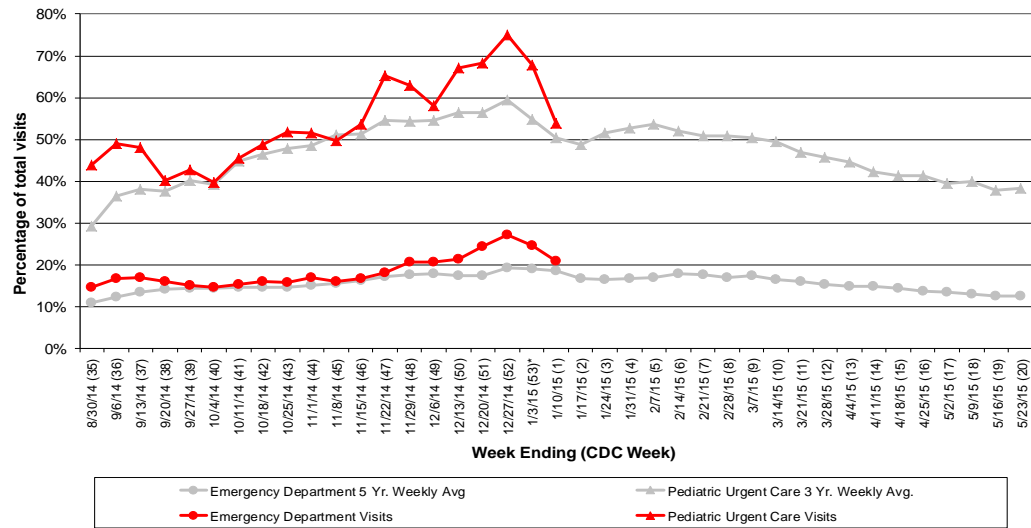
**Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2014-15**



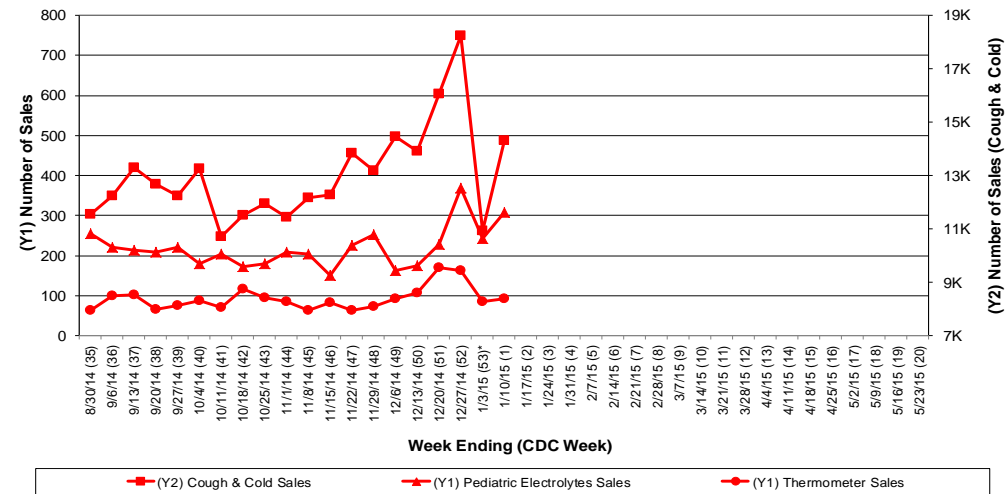
\*Note: Based on CDC MMWR Weeks, there are 53 surveillance weeks in 2014. Baseline and previous year's week 53 data are based on the average of week 52 and week 1 numbers.

## Columbus & Franklin County Influenza Monitoring Summary – Week 1, 2015 (1/4/2015-1/10/2015)

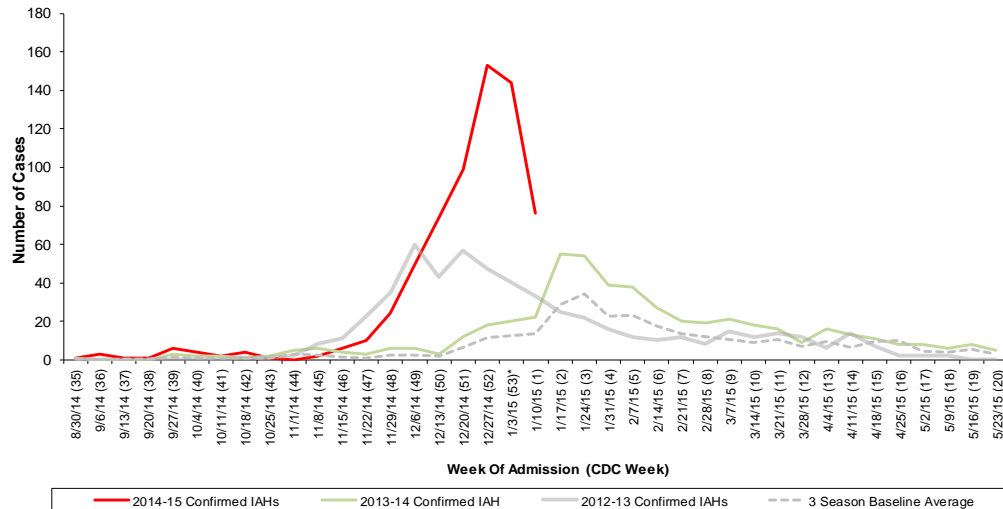
**Figure 5: Franklin County Resident Respiratory ED and Pediatric Urgent Care Visits, 2014-15, Franklin County, OH**



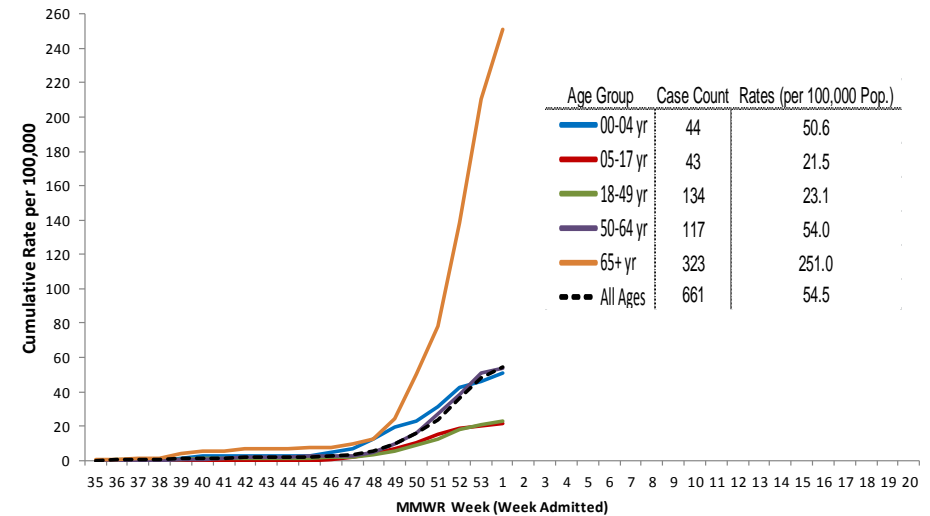
**Figure 6: Selected Number of Over-the-Counter Medication Sales, 2014-15, Franklin County, OH**



**Figure 7: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 9:00 AM, 1/16/2015)**



**Franklin County, OH, Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2014-2015 Season**



\*Note: Based on CDC MMWR Weeks, there are 53 surveillance weeks in 2014. Baseline and previous year's week 53 data are based on the average of week 52 and week 1 numbers.